

Rec'd PCT/PTO 24 FEB 2006  
**10/519328**

**RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/519,328  
Source: PG  
Date Processed by STIC: 2/24/06

**ENTERED**



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/519,328

DATE: 02/24/2006  
TIME: 12:28:44

Input Set : A:\SEQLIST.TXT  
Output Set: N:\CRF4\02242006\J519328.raw

4 <110> APPLICANT: BOUGUELERET; Lydie  
5 NIKNEJAD; Anne  
7 <120> TITLE OF INVENTION: SECRETED PEPTIDES  
10 <130> FILE REFERENCE: 4-33619A/GEP  
12 <140> CURRENT APPLICATION NUMBER: 10/519,328  
C--> 13 <141> CURRENT FILING DATE: 2004-12-23  
15 <150> PRIOR APPLICATION NUMBER: PCT/EP03/007069  
16 <151> PRIOR FILING DATE: 2003-07-02  
18 <150> PRIOR APPLICATION NUMBER: 60/393,840  
19 <151> PRIOR FILING DATE: 2002-07-02  
21 <160> NUMBER OF SEQ ID NOS: 10  
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 1821  
27 <212> TYPE: PRT  
28 <213> ORGANISM: Homo sapiens  
30 <220> FEATURE:  
31 <221> NAME/KEY: PROPEP  
32 <222> LOCATION: (1)...(1821)  
33 <223> OTHER INFORMATION: Latent transforming growth factor-beta-binding  
34 protein precursor 2  
36 <221> NAME/KEY: SIGNAL  
37 <222> LOCATION: (1)...(35)  
38 <223> OTHER INFORMATION: Predicted by SignalP version 2.0  
W--> 40 <221> SITE  
41 <222> LOCATION: (96)...(97)  
42 <223> OTHER INFORMATION: Dibasic peptidase cleavage site  
W--> 44 <221> SITE  
45 <222> LOCATION: (104)...(105)  
46 <223> OTHER INFORMATION: Dibasic peptidase cleavage site  
W--> 48 <221> SITE  
49 <222> LOCATION: (113)...(114)  
50 <223> OTHER INFORMATION: Dibasic peptidase cleavage site  
W--> 52 <400> 1  
53 Met Arg Pro Arg Thr Lys Ala Arg Ser Pro Gly Arg Ala Leu Arg Asn  
54 -35 -30 -25 -20  
55 Pro Trp Arg Gly Phe Leu Pro Leu Thr Leu Ala Leu Phe Val Gly Ala  
56 -15 -10 -5  
57 Gly His Ala Gln Arg Asp Pro Val Gly Arg Tyr Glu Pro Ala Gly Gly  
58 1 5 10  
59 Asp Ala Asn Arg Leu Arg Arg Pro Gly Gly Ser Tyr Pro Ala Ala Ala  
60 15 20 25  
61 Ala Ala Lys Val Tyr Ser Leu Phe Arg Glu Gln Asp Ala Pro Val Ala

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62 30 35 40 45  
 63 Gly Leu Gln Pro Val Glu Arg Ala Gln Pro Gly Trp Gly Ser Pro Arg  
 64 50 55 60  
 65 Arg Pro Thr Glu Ala Glu Ala Arg Arg Pro Ser Arg Ala Gln Gln Ser  
 66 65 70 75  
 67 Arg Arg Val Gln Pro Pro Ala Gln Thr Arg Arg Ser Thr Pro Leu Gly  
 68 80 85 90  
 69 Gln Gln Gln Pro Ala Pro Arg Thr Arg Ala Ala Pro Ala Leu Pro Arg  
 70 95 100 105  
 71 Leu Gly Thr Pro Gln Arg Ser Gly Ala Ala Pro Pro Thr Pro Pro Arg  
 72 110 115 120 125  
 73 Gly Arg Leu Thr Gly Arg Asn Val Cys Gly Gly Gln Cys Cys Pro Gly  
 74 130 135 140  
 75 Trp Thr Thr Ala Asn Ser Thr Asn His Cys Ile Lys Pro Val Cys Glu  
 76 145 150 155  
 77 Pro Pro Cys Gln Asn Arg Gly Ser Cys Ser Arg Pro Gln Leu Cys Val  
 78 160 165 170  
 79 Cys Arg Ser Gly Phe Arg Gly Ala Arg Cys Glu Glu Val Ile Pro Asp  
 80 175 180 185  
 81 Glu Glu Phe Asp Pro Gln Asn Ser Arg Leu Ala Pro Arg Arg Trp Ala  
 82 190 195 200 205  
 83 Glu Arg Ser Pro Asn Leu Arg Arg Ser Ser Ala Ala Gly Glu Gly Thr  
 84 210 215 220  
 85 Leu Ala Arg Ala Gln Pro Pro Ala Pro Gln Ser Pro Pro Ala Pro Gln  
 86 225 230 235  
 87 Ser Pro Pro Ala Gly Thr Leu Ser Gly Leu Ser Gln Thr His Pro Ser  
 88 240 245 250  
 89 Gln Gln His Val Gly Leu Ser Arg Thr Val Arg Leu His Pro Thr Ala  
 90 255 260 265  
 91 Thr Ala Ser Ser Gln Leu Ser Ser Asn Ala Leu Pro Pro Gly Pro Gly  
 92 270 275 280 285  
 93 Leu Glu Gln Arg Asp Gly Thr Gln Gln Ala Val Pro Leu Glu His Pro  
 94 290 295 300  
 95 Ser Ser Pro Trp Gly Leu Asn Leu Thr Glu Lys Ile Lys Lys Ile Lys  
 96 305 310 315  
 97 Ile Val Phe Thr Pro Thr Ile Cys Lys Gln Thr Cys Ala Arg Gly His  
 98 320 325 330  
 99 Cys Ala Asn Ser Cys Glu Arg Gly Asp Thr Thr Leu Tyr Ser Gln  
 100 335 340 345  
 101 Gly Gly His Gly His Asp Pro Lys Ser Gly Phe Arg Ile Tyr Phe Cys  
 102 350 355 360 365  
 103 Gln Ile Pro Cys Leu Asn Gly Gly Arg Cys Ile Gly Arg Asp Glu Cys  
 104 370 375 380  
 105 Trp Cys Pro Ala Asn Ser Thr Gly Lys Phe Cys His Leu Pro Ile Pro  
 106 385 390 395  
 107 Gln Pro Asp Arg Glu Pro Pro Gly Arg Gly Ser Arg Pro Arg Ala Leu  
 108 400 405 410  
 109 Leu Glu Ala Pro Leu Lys Gln Ser Thr Phe Thr Leu Pro Leu Ser Asn  
 110 415 420 425

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111 Gln Leu Ala Ser Val Asn Pro Ser Leu Val Lys Val His Ile His His  
 112 430 435 440 445  
 113 Pro Pro Glu Ala Ser Val Gln Ile His Gln Val Ala Gln Val Arg Gly  
 114 450 455 460 460  
 115 Gly Val Glu Glu Ala Leu Val Glu Asn Ser Val Glu Thr Arg Pro Pro  
 116 465 470 475 475  
 117 Pro Trp Leu Pro Ala Ser Pro Gly His Ser Leu Trp Asp Ser Asn Asn  
 118 480 485 490 490  
 119 Ile Pro Ala Arg Ser Gly Glu Pro Pro Arg Pro Leu Pro Pro Ala Ala  
 120 495 500 505 505  
 121 Pro Arg Pro Arg Gly Leu Leu Gly Arg Cys Tyr Leu Asn Thr Val Asn  
 122 510 515 520 525  
 123 Gly Gln Cys Ala Asn Pro Leu Leu Glu Leu Thr Thr Gln Glu Asp Cys  
 124 530 535 540 540  
 125 Cys Gly Ser Val Gly Ala Phe Trp Gly Val Thr Leu Cys Ala Pro Cys  
 126 545 550 555 555  
 127 Pro Pro Arg Pro Ala Ser Pro Val Ile Glu Asn Gly Gln Leu Glu Cys  
 128 560 565 570 570  
 129 Pro Gln Gly Tyr Lys Arg Leu Asn Leu Thr His Cys Gln Asp Ile Asn  
 130 575 580 585 585  
 131 Glu Cys Leu Thr Leu Gly Leu Cys Lys Asp Ala Glu Cys Val Asn Thr  
 132 590 595 600 605  
 133 Arg Gly Ser Tyr Leu Cys Thr Cys Arg Pro Gly Leu Met Leu Asp Pro  
 134 610 615 620 620  
 135 Ser Arg Ser Arg Cys Val Ser Asp Lys Ala Ile Ser Met Leu Gln Gly  
 136 625 630 635 635  
 137 Leu Cys Tyr Arg Ser Leu Gly Pro Gly Thr Cys Thr Leu Pro Leu Ala  
 138 640 645 650 650  
 139 Gln Arg Ile Thr Lys Gln Ile Cys Cys Cys Ser Arg Val Gly Lys Ala  
 140 655 660 665 665  
 141 Trp Gly Ser Glu Cys Glu Lys Cys Pro Leu Pro Gly Thr Glu Ala Phe  
 142 670 675 680 685  
 143 Arg Glu Ile Cys Pro Ala Gly His Gly Tyr Thr Tyr Ala Ser Ser Asp  
 144 690 695 700 700  
 145 Ile Arg Leu Ser Met Arg Lys Ala Glu Glu Glu Leu Ala Arg Pro  
 146 705 710 715 715  
 147 Pro Arg Glu Gln Gly Gln Arg Ser Ser Gly Ala Leu Pro Gly Pro Ala  
 148 720 725 730 730  
 149 Glu Arg Gln Pro Leu Arg Val Val Thr Asp Thr Trp Leu Glu Ala Gly  
 150 735 740 745 745  
 151 Thr Ile Pro Asp Lys Gly Asp Ser Gln Ala Gly Gln Val Thr Thr Ser  
 152 750 755 760 765  
 153 Val Thr His Ala Pro Ala Trp Val Thr Gly Asn Ala Thr Thr Pro Pro  
 154 770 775 780 780  
 155 Met Pro Glu Gln Gly Ile Ala Glu Ile Gln Glu Glu Gln Val Thr Pro  
 156 785 790 795 795  
 157 Ser Thr Asp Val Leu Val Thr Leu Ser Thr Pro Gly Ile Asp Arg Cys  
 158 800 805 810 810  
 159 Ala Ala Gly Ala Thr Asn Val Cys Gly Pro Gly Thr Cys Val Asn Leu

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160	815	820	825
161	Pro Asp Gly Tyr Arg Cys Val Cys Ser Pro Gly Tyr Gln Leu His Pro		
162	830	835	840 845
163	Ser Gln Ala Tyr Cys Thr Asp Asp Asn Glu Cys Leu Arg Asp Pro Cys		
164	850	855	860
165	Lys Gly Lys Gly Arg Cys Ile Asn Arg Val Gly Ser Tyr Ser Cys Phe		
166	865	870	875
167	Cys Tyr Pro Gly Tyr Thr Leu Ala Thr Ser Gly Ala Thr Gln Glu Cys		
168	880	885	890
169	Gln Asp Ile Asn Glu Cys Glu Gln Pro Gly Val Cys Ser Gly Gly Gln		
170	895	900	905
171	Cys Thr Asn Thr Glu Gly Ser Tyr His Cys Glu Cys Asp Gln Gly Tyr		
172	910	915	920 925
173	Ile Met Val Arg Lys Gly His Cys Gln Asp Ile Asn Glu Cys Arg His		
174	930	935	940
175	Pro Gly Thr Cys Pro Asp Gly Arg Cys Val Asn Ser Pro Gly Ser Tyr		
176	945	950	955
177	Thr Cys Leu Ala Cys Glu Glu Gly Tyr Arg Gly Gln Ser Gly Ser Cys		
178	960	965	970
179	Val Asp Val Asn Glu Cys Leu Thr Pro Gly Val Cys Ala His Gly Lys		
180	975	980	985
181	Cys Thr Asn Leu Glu Gly Ser Phe Arg Cys Ser Cys Glu Gln Gly Tyr		
182	990	995	1000 1005
183	Glu Val Thr Ser Asp Glu Lys Gly Cys Gln Asp Val Asp Glu Cys Ala		
184	1010	1015	1020
185	Ser Arg Ala Ser Cys Pro Thr Gly Leu Cys Leu Asn Thr Glu Gly Ser		
186	1025	1030	1035
187	Phe Ala Cys Ser Ala Cys Glu Asn Gly Tyr Trp Val Asn Glu Asp Gly		
188	1040	1045	1050
189	Thr Ala Cys Glu Asp Leu Asp Glu Cys Ala Phe Pro Gly Val Cys Pro		
190	1055	1060	1065
191	Ser Gly Val Cys Thr Asn Thr Ala Gly Ser Phe Ser Cys Lys Asp Cys		
192	1070	1075	1080 1085
193	Asp Gly Gly Tyr Arg Pro Ser Pro Leu Gly Asp Ser Cys Glu Asp Val		
194	1090	1095	1100
195	Asp Glu Cys Glu Asp Pro Gln Ser Ser Cys Leu Gly Gly Glu Cys Lys		
196	1105	1110	1115
197	Asn Thr Val Gly Ser Tyr Gln Cys Leu Cys Pro Gln Gly Phe Gln Leu		
198	1120	1125	1130
199	Ala Asn Gly Thr Val Cys Glu Asp Val Asn Glu Cys Met Gly Glu Glu		
200	1135	1140	1145
201	His Cys Ala Pro His Gly Glu Cys Leu Asn Ser His Gly Ser Phe Phe		
202	1150	1155	1160 1165
203	Cys Leu Cys Ala Pro Gly Phe Val Ser Ala Glu Gly Gly Thr Ser Cys		
204	1170	1175	1180
205	Gln Asp Val Asp Glu Cys Ala Thr Thr Asp Pro Cys Val Gly Gly His		
206	1185	1190	1195
207	Cys Val Asn Thr Glu Gly Ser Phe Asn Cys Leu Cys Glu Thr Gly Phe		
208	1200	1205	1210

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209 Gln Pro Ser Pro Glu Ser Gly Glu Cys Val Asp Ile Asp Glu Cys Glu  
210 1215 1220 1225  
211 Asp Tyr Gly Asp Pro Val Cys Gly Thr Trp Lys Cys Glu Asn Ser Pro  
212 1230 1235 1240 1245  
213 Gly Ser Tyr Arg Cys Val Leu Gly Cys Gln Pro Gly Phe His Met Ala  
214 1250 1255 1260  
215 Pro Asn Gly Asp Cys Ile Asp Ile Asp Glu Cys Ala Asn Asp Thr Met  
216 1265 1270 1275  
217 Cys Gly Ser His Gly Phe Cys Asp Asn Thr Asp Gly Ser Phe Arg Cys  
218 1280 1285 1290  
219 Leu Cys Asp Gln Gly Phe Glu Ile Ser Pro Ser Gly Trp Asp Cys Val  
220 1295 1300 1305  
221 Asp Val Asn Glu Cys Glu Leu Met Leu Ala Val Cys Gly Ala Ala Leu  
222 1310 1315 1320 1325  
223 Cys Glu Asn Val Glu Gly Ser Phe Leu Cys Leu Cys Ala Ser Asp Leu  
224 1330 1335 1340  
225 Glu Glu Tyr Asp Ala Gln Glu Gly His Cys Arg Pro Arg Gly Ala Gly  
226 1345 1350 1355  
227 Gly Gln Ser Met Ser Glu Ala Pro Thr Gly Asp His Ala Pro Ala Pro  
228 1360 1365 1370  
229 Thr Arg Met Asp Cys Tyr Ser Gly Gln Lys Gly His Ala Pro Cys Ser  
230 1375 1380 1385  
231 Ser Val Leu Gly Arg Asn Thr Thr Gln Ala Glu Cys Cys Cys Thr Gln  
232 1390 1395 1400 1405  
233 Gly Ala Ser Trp Gly Asp Ala Cys Asp Leu Cys Pro Ser Glu Asp Ser  
234 1410 1415 1420  
235 Ala Glu Phe Ser Glu Ile Cys Pro Ser Gly Lys Gly Tyr Ile Pro Val  
236 1425 1430 1435  
237 Glu Gly Ala Trp Thr Phe Gly Gln Thr Met Tyr Thr Asp Ala Asp Glu  
238 1440 1445 1450  
239 Cys Val Ile Phe Gly Pro Gly Leu Cys Pro Asn Gly Arg Cys Leu Asn  
240 1455 1460 1465  
241 Thr Val Pro Gly Tyr Val Cys Leu Cys Asn Pro Gly Phe His Tyr Asp  
242 1470 1475 1480 1485  
243 Ala Ser His Lys Lys Cys Glu Asp His Asp Glu Cys Gln Asp Leu Ala  
244 1490 1495 1500  
245 Cys Glu Asn Gly Glu Cys Val Asn Thr Glu Gly Ser Phe His Cys Phe  
246 1505 1510 1515  
247 Cys Ser Pro Pro Leu Thr Leu Asp Leu Ser Gln Gln Arg Cys Met Asn  
248 1520 1525 1530  
249 Ser Thr Ser Ser Thr Glu Asp Leu Pro Asp His Asp Ile His Met Asp  
250 1535 1540 1545  
251 Ile Cys Trp Lys Lys Val Thr Asn Asp Val Cys Ser Glu Pro Leu Arg  
252 1550 1555 1560 1565  
253 Gly His Arg Thr Thr Tyr Thr Glu Cys Cys Cys Gln Asp Gly Glu Ala  
254 1570 1575 1580  
255 Trp Ser Gln Gln Cys Ala Leu Cys Pro Pro Arg Ser Ser Glu Val Tyr  
256 1585 1590 1595  
257 Ala Gln Leu Cys Asn Val Ala Arg Ile Glu Ala Glu Arg Glu Ala Gly

## VERIFICATION SUMMARY

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DATE: 02/24/2006

TIME: 12:28:45

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\02242006\J519328.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:40 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:48 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:52 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1